

## SUMMARY OF AB 970 GRANT PROGRAM ACTIVITY

JULY 23, 2001

**FUNDING ALLOCATION: \$50,000,000**

**PROGRAM GOAL: 192 MW**

Program Element	Funds Allocated	Goal in MW	#Grants/Contracts Awarded and/or Pending Approval	AB 970 Funds Committed To Date	Estimated kW Peak Load Reduction	Average \$/Peak kW Reduction
Light Emitting Diode (LED) Traffic Signals	\$10,000,000	10	43 Grants	\$10,000,000	5,967	\$1,676
Innovative Efficiency and Renewables	\$6,138,562	32	11 Grants	\$6,138,062	36,734	\$167
Demand Responsive HVAC and Lighting Building Systems	\$10,995,653	50	1 Interagency Agrmt, 8 Contracts, 5 Grants	\$10,457,316	111,117	\$94
Cool Roofs	\$9,444,000	30	4 Contracts for Cool Roofs and 2 Supporting Services Contracts	\$9,444,000	25,140	\$376
State Buildings and Public Universities	\$5,500,000	50	4 Interagency Agrmts 1 Contract	\$5,500,000	80,000	\$69
Water and Wastewater Treatment Pump and Related Equipment Retrofit	\$6,721,785	20	62 Grants	\$6,443,008	80,324	\$80
Evaluation Contract with Steve Schiller Associates	\$1,000,000		1 Contract	\$1,000,000		
Washington State University (portion of Behavioral Evaluation Contract-Balance being paid with 5X/29X funds)	\$200,000			\$200,000	Average \$/Peak kW Reduction	
<b>TOTALS</b>	<b>\$50,000,000</b>	<b>192</b>	<b>139 Projects Pending *</b>	<b>\$49,182,386</b>	<b>339,282</b>	<b>\$145</b>

\*This figure does not include evaluation or support services contracts.)

AB 970 LED Traffic Signals											
Original Allocation \$10 Million			Goal: 10 MW								
Applicant	Project	Project Mngr	App Date	CEC Apprvl Date	Grant Exec.	Project Status	Grant #	Award Amount	Total Project Cost	Est. kW Pk Ld Reduc-tion	\$/Peak kW Reduc-tion
City of Santa Barbara	Install LED's @ 109 Intersections	Tony Wong	11/15/00	11/20/00	12/14/00	complete	LED-00A-001	\$161,135	\$345,800	146	\$1,104
City of Temecula	Install LED's @ 74 Intersections	Merry Bronson	11/15/00	11/20/00	1/12/01	complete	LED-00A-002	\$140,870	\$311,746	153	\$921
City of San Diego	Install LED's @ 1,271 Intersections	Tony Wong	11/15/00	12/7/00	1/9/01	complete	LED-00A-021	\$1,436,580	\$2,625,194	576	\$2,494
City of Redding	Install LED's @ 68 Intersections	Merry Bronson	11/15/00	11/20/00	12/21/00	complete	LED-00A-003	\$197,420	\$663,730	121	\$1,632
City of Moreno Valley	Install LED's @ 68 Intersections	Merry Bronson	11/16/00	11/27/00	12/14/00	complete	LED-00A-005	\$60,500	\$107,690	101	\$599
City of Westminster	Install LED's @ 60 Intersections	Tony Wong	11/16/00	11/20/00	12/15/00	complete	LED-00A-004	\$69,310	\$129,461	29	\$2,390
City of Baldwin Park	Install LED's @ 61 Intersections	Virginia Lew	11/16/00	11/28/00	12/29/00		LED-00A-007	\$82,650	\$199,332	59	\$1,401
City of Escondido	Install LED's @ 100 Intersections	Merry Bronson	11/20/00	11/27/00	1/28/01		LED-00A-006	\$145,550	\$310,641	52	\$2,799
City of Victorville	Install LED's @ 45 Intersections	Tony Wong	11/21/00	11/28/00	12/27/00	complete	LED-00A-008	\$136,000	\$289,654	108	\$1,259
CalTrans	Install LED's throughout State	Tony Wong	11/21/00	12/1/00	1/9/01		LED-00A-010	\$2,593,360	\$5,388,855	923	\$2,810
City of Chino Hills	Install LED's @ 32 Intersections	Merry Bronson	11/22/00	11/28/00	12/28/00		LED-00A-009	\$70,940	\$126,479	58	\$1,223
City of Glendale	Install LED's @ 100 Intersections	Virginia Lew	11/22/00	12/1/00	12/28/00	complete	LED-00A-011	\$416,960	\$834,040	207	\$2,014
City of Sacramento	Install LED's @ 198 Intersections	Virginia Lew	11/22/00	12/6/00	1/11/01		LED-00A-018	\$117,000	\$275,150	182	\$643
City of Costa Mesa	Install LED's @ 131 Intersections	Merry Bronson	11/22/00	12/1/00	1/5/01		LED-00A-012	\$90,850	\$166,221	137	\$663
City of Hesperia	Install LED's @ 18 Intersections	Virginia Lew	11/27/00	12/1/00	12/19/00	complete	LED-00A-013	\$40,470	\$71,496	33	\$1,226
City of San Marcos	Install LED's @ 55 Intersections	Virginia Lew	11/27/00	12/1/00	12/18/00	complete	LED-00A-014	\$135,760	\$263,678	64	\$2,121

Santa Clara County	Install LED's @ 71 Intersections	Tony Wong	11/27/00	12/1/00	1/18/01		LED-00A-015	\$118,610	\$297,043	48	\$2,471
Town of Apple Valley	Install LED's @ 20 Intersections	Merry Bronson	11/27/00	12/1/00	12/28/00		LED-00A-016	\$46,120	\$98,974	40	\$1,153
City of Rosemead	Install LED's @ 52 Intersections	Merry Bronson	11/29/00	12/1/00	21/19/00		LED-00A-017	\$120,910	\$235,265	117	\$1,033
City of Folsom	Install LED's @ 44 Intersections	Virginia Lew	11/30/00	12/7/00	12/23/00	complete	LED-00A-019	\$12,223	\$59,181	60	\$204
City of Paramount	Install LED's @ 41 Intersections	Merry Bronson	11/30/00	12/7/00	1/3/01		LED-00A-022	\$94,180	\$174,044	53	\$1,777
City of Maywood	Install LED's @ 22 Intersections	Merry Bronson	11/30/00	12/7/00	12/28/00		LED-00A-023	\$43,985	\$83,304	28	\$1,571
City of Cudahy	Install LED's @ 15 Intersections	Merry Bronson	12/1/00	12/7/00	1/4/01		LED-00A-024	\$31,775	\$65,685	27	\$1,177
City of Bell Gardens	Install LED's @ 34 Intersections	Merry Bronson	12/1/00	12/7/00	1/2/01		LED-00A-025	\$85,825	\$169,830	56	\$1,533
City of Palm Springs	Install LED's @ 70 Intersections	Virginia Lew	12/4/00	12/20/00	1/19/01		LED-00A-026	\$192,000	\$418,250	147	\$1,306
City of Rancho Mirage	Install LED's @ 35 Intersections	Tony Wong	12/11/00	12/20/00	1/11/01	complete	LED-00A-027	\$66,760	\$132,215	54	\$1,236
City of Roseville	Install LED's @ 115 Intersections	Tony Wong	12/11/00	12/14/00	1/11/01		LED-00A-028	\$358,860	\$628,482	264	\$1,359
City of Anaheim Department of Public Works	Install LED's @ 285 Intersections	Virginia Lew	12/12/00	12/20/00	1/12/01		LED-00A-029	\$305,860	\$773,608	139	\$2,200
City of Mission Viejo	Install LED's @ 61 Intersections	Virginia Lew	12/12/00	12/20/00	1/12/01	complete	LED-00A-030	\$93,310	\$291,200	69	\$1,352
City of Eureka	Install LED's @ 24 Intersections	Tony Wong	12/14/00	12/20/00		complete	LED-00A-031	\$47,460	\$98,508	32	\$1,483
City of Elk Grove	Install LED's @ 46 Intersections	Tony Wong	12/14/00	12/20/00	1/18/01		LED-00A-032	\$35,990	\$66,660	57	\$631
City of Citrus Heights	Install LED's @ 43 Intersections	Virginia Lew	12/14/00	12/22/00	2/6/01		LED-00A-033	\$99,070	\$242,883	27	\$3,669
City of Moorpark	Install LED's @ 16 Intersections	Merry Bronson	12/19/00	1/8/01	1/19/01	complete	LED-00A-034	\$38,960	\$101,020	33	\$1,181
City of Alameda	Install LED's @ 73 Intersections	Tony Wong	12/22/00	12/22/00	2/26/01	complete	LED-00A-035	\$196,380	\$411,755	112	\$1,753

Town of Woodside	Install LED's @ 1 Intersection	Tony Wong	12/22/00	12/22/00	1/24/01	complete	LED-00A-036	\$750	\$3,000	0	\$3,750
City of Santa Clara	Install LED's @ 45 Intersections	Merry Bronson	12/22/00	1/11/01	2/22/01		LED-00A-038	\$147,000	\$309,875	123	\$1,195
City of Sebastopol	Install LED's @ 2 Intersections	Merry Bronson	12/26/00	12/27/00	1/22/01		LED-00A-039	\$7,550	\$21,187	5	\$1,510
City of South Gate	Install LED's @ 59 Intersections	Merry Bronson	12/26/00	1/8/01	1/16/01		LED-00A-040	\$134,070	\$398,064	103	\$1,302
City of Azusa	Install LED's @ 36 Intersections	Merry Bronson	12/26/00	12/27/00	1/23/01		LED-00A-041	\$29,060	\$37,922	40	\$727
City of Palo Alto	Install LED's @ 89 Intersections	Merry Bronson	12/26/00	12/27/00	4/4	complete	LED-00A-042	\$224,700	\$681,399	161	\$1,396
County of Sacramento	Install LED's @ 68 Intersections	Merry Bronson	12/27/00	1/8/01	2/3/01	complete	LED-00A-043	\$45,800	\$80,813	51	\$898
City of Pasadena	Install LED's	Merry Bronson	12/29/00	1/8/01	1/31/01	complete	LED-00A-044	\$76,060	\$152,084	36	\$2,113
Los Angeles Dept of Water and Power-LA	Install LED's @ 4300 Intersections	Virginia Lew	12/29/00	1/24/01			LED-00A-045	\$1,451,377	\$9,313,098	1,136	\$1,278
<b>TOTALS:</b>								\$10,000,000	\$27,454,516	5,967	\$1,676

## AB 970 Innovative Proposals

Original Allocation: \$8 Million			Goal: 32 MW								
Applicant	Project	Project Manager	App Date	CEC Apprvl Date	Grant Exec.	Project Status	Grant #	Award Amount	Total Project Cost	Est. kW Pk Ld Reduc-tion	\$/Peak kW Reduc-tion
San Joaquin Valley Energy Partners	Biomass powerplant rennovation and repowering	Ram Verma	12/14/00	1/10/01	2/23	100% complete	INN-00A-005	\$2,000,000	\$4,762,371	22,230	\$90
Kmart Corporation	Lighting retrofits in 85 Kmart stores	Gary Flamm	12/14/00	1/10/01	03/23/01	90% complete	INN-00A-009	\$2,000,000	\$6,218,900	8,192	\$244
County of San Diego Public Works	Landfill gas-fueled electric generation	Ram Verma	12/14/00	1/10/01	3/26	100% complete	INN-00A-006	\$75,000	\$562,000	300	\$250
Berrenda Mesa Water District	Expansion of water storage for off-peak pumping	Michelle Stansky	12/14/00	1/10/01	3/5/01	100% complete	INN-00A-003	\$310,000	\$465,000	1,240	\$250
Lost Hills Water District	Expansion of water storage for off-peak pumping	Michelle Stansky	12/14/00	1/10/01		100% complete	INN-00A-002	\$361,750	\$460,000	1,447	\$250
Mt. San Antonio College	Lighting, HVAC and controls retrofit	Ram Verma	12/14/00	1/10/01		95% complete	INN-00A-008	\$458,250	\$5,635,376	982	\$467
Nove Investments Inc.	Landfill gas generation	Ram Verma	12/1/00	1/10/01		grant cancelled	INN-00A-007	\$75,000	\$526,000	300	\$250
County of San Diego Public Works	De-lamping	Gary Flamm	12/1/00	1/10/01	5/3/01	90% complete	INN-00A-010	\$128,000	\$320,400	512	\$250

County of Alameda	Photovoltaic Installation	Ram Verma	2/1/01	2/22/01	4/17/01	100% complete	INN-00A-011	\$306,910	\$2,156,000	458	\$670
Real Energy, Inc.	Absorption chillers and hot water storage	Tony Wong	2/1/01	2/22/01	5/9/01	20% complete	INN-00A-015	\$173,152	\$1,100,000	773	\$224
City of Burbank	Landfill gas-fueled electric generation	Brad Meister	2/1/01	2/22/01	4/25/01	20% complete	INN-00A-014	\$250,000	\$500,000	300	\$833
<b>TOTALS:</b>								\$6,138,062	\$22,706,047	36,734	\$167

## AB 970 Demand Responsive Buildings

Original Allocation: \$10 Million			Goal: 50 MW								
Applicant	Project	Project Mngr	App Date	CEC Apprvl Date	Grant/IA Exec.	Project Status	Contract #	Award Amount	Total Project Cost	Est. kW Pk Ld Reduc-tion	\$/Peak kW Reduc-tion
Department of General Services	Provide demand responsive system	Jeff Wilson	Nov-00	12/20/00	2/23/01	70% complete	IA 400-00-018	\$1,250,000	\$1,250,000	10,663	\$117
Apogee	Provide demand-bid trading platform	Jeff Wilson	Dec-00	2/7/01	3/8/01	90% complete	Contract 400-00-031	\$464,468	\$464,468	5,000	\$93
San Diego Regional Energy Office	Recruit 250 customers	Mike Messenger	Dec-00	2/7/01	2/22/01		Contract 400-00-029	\$1,060,505	\$1,060,505	3,120	\$340
City of Roseville	Recruit 22 large customers	Mike Messenger	Dec-00	2/7/01	3/30/01		Contract 400-00-030	\$956,000	\$956,000	10,000	\$96
Enron	Install D.R. systems to achieve 18 MW savings from existing customers	Joseph Wang	Dec-00	2/7/01	4/19/01		Contract 400-00-033	\$1,500,000	\$1,500,000	7,500	\$200
Silicon Energy/PG&E	Install D.R. systems and meters to a connected load of approx 300 MW	Mike Messenger	Dec-00	2/7/01	3/26/01		Contract 400-00-027	\$1,411,026	\$1,411,000	35,000	\$40
Siebens	Install D.R. systems in 5 - 8 large hotels and aggregate their load into ISO or PX program	Don Schwartz	Dec-00	2/7/01	exec.		Contract 400-00-028	\$309,950	\$309,950	1,300	\$238

Sacramento Municipal Utility District	Install systems at 20 large customer sites, allowing for load bid into demand exchange, and 10 buildings will be hooked to direct or automatic load control programs	Jeff Wilson	Dec-00	2/7/01	3/27/01	70% complete	Contract 400-00-034	\$802,500	\$802,500	20,000	\$40
Global Energy	Recruit approximately 100 nonresidential customers with connected loads greater than 1 MW	Mike Messenger	Dec-00	2/21/01	3/20/01		Contract 400-00-035	\$1,400,000	\$1,400,000	12,000	\$117
Cisco Systems	Install HVAC and Lighting Building System	Dottie Horgan	Jan-00	2/7/01	2/23/01	100% complete	DRH-00A-002	\$40,460	\$40,460	1,250	\$32
Alameda County	Install HVAC and Lighting Building System	Ram Verma	Jan-00	2/7/01	2/23 to Grantee for sig		DRH-00A-001	\$260,964	\$260,964	1,248	\$209
Hewlett-Packard	Install HVAC and Lighting Building System	Ram Verma			5/2/01		DRH-00A-003	\$445,693		1,813	\$246
Foothill College District - De Anza	Install HVAC and Lighting Building System	Dottie Horgan	1/25/01	4/24/01	7/10/01	100% complete	DRH-00A-004	\$250,750	\$283,140	1,003	\$223
General Services	Install HVAC and Lighting Building System	Dottie Horgan	1/29/01	4/24/01	5/9/01	100% complete	DRH-00A-005	\$305,000	\$320,000	1,220	\$250
<b>TOTALS:</b>								\$10,457,316	\$10,058,987	111,117	\$91



AB 970 Cool Roofs											
Original Allocation: \$10 Million			Goal: 25 MW								
Applicant	Project	Project Manager	App Date	CEC Apprvl Date	Contract Exec.	Project Status	Contract #	Award Amount	Total Project Cost	Est. kW Pk Ld Reduc-tion	\$/Peak kW Reduc-tion
Sacramento Tree Foundation	Install Cool Roof	Ray Darby	Nov-00	12/20/00	2/23/01	6%	400-00-023	\$3,063,280	\$3,063,280	8,170	\$375
Los Angeles Department of Water and Power	Install Cool Roof	Ray Darby	Nov-00	12/20/00	5/25/01	0%	400-00-022	\$2,000,000	\$2,000,000	5,335	\$375
San Diego Regional Energy Office	Install Cool Roof	Ray Darby	Nov-00	12/20/00	2/22/01	8%	400-00-025	\$2,360,780	\$2,360,780	6,300	\$375
Sacramento Municipal Utility District	Install Cool Roof	Ray Darby	Nov-00	12/20/00	4/2/01	3%	400-00-024	\$2,000,000	\$2,000,000	5,335	\$375
PositivEnergy	Materials and Procedures Support	Ray Darby	Nov-00	Dec-00	1/18/01	complete	400-00-021	\$9,990	\$9,990	0	
Hashem Akbari	Technical Assistance	Ray Darby	Nov-00	Dec-00	1/24/01	complete	400-00-026	\$9,950	\$9,950	0	
<b>TOTALS</b>								\$9,444,000	\$9,444,000	25,140	\$376

# AB 970 State Buildings and Universities

Original Allocation: \$5.5 Million			Goal: 50 MW								
Applicant	Project	Project Mngr	App Date	CEC Apprvl Date	Exec.	Project Status	Contract #	Award Amount	Total Project Cost	Est. kW Pk Ld Reduc-tion	\$/Peak kW Reduc-tion
University of California	Provide funds to implement lighting, HVAC and control projects	Brad Meister	Nov-00	12/20/00	2/23/01		IA 400-00-016	\$421,025	\$421,025	1,680	\$250
California State University	Provide funds to implement lighting, HVAC and control projects	Brad Meister	Nov-00	12/20/00	2/23/01		IA 400-00-015	\$1,828,975	\$1,828,975	3,250	\$563
Grueneich Resource Advocates	Provide 30 MW of peak load reduction for California State University and University of California	Jeff Wilson	Nov-00	12/20/00	1/26/01		SS 400-00-019	\$750,000	\$750,000	30,000	\$25
Department of General Services	Provide energy audits, peak load reduction plans and training in support of State and university buildings, provide an inventory pool of equipment	Brad Meister	Nov-00	12/20/00	1/25/01		IA 400-00-018	\$2,000,000	\$2,000,000	25,000	\$80
Department of Corrections	Provide heat pumps, load verification meters, peak load reduction plans and training, training in energy management and control systems, and a system-wide peak load reduction test	Brad Meister	Nov-00	12/20/00	2/22/01		IA 400-00-017	\$500,000	\$500,000	20,070	\$25
TOTALS:								\$5,500,000	\$5,500,000	80,000	\$69

# AB 970 Water and Wastewater Equipment Retrofit

Current Allocation: \$5 Million			Goal: 20 MW								
Applicant	Project	Project Mngr	App Date	CEC Aprvl Date	Grant Exec.	Project Status	Grant #	Award Amount	Total Project Cost	Est. kW Pk Ld Reduc-tion	\$/Peak kW Reduc-tion
City of San Diego	generators for ISO program	Clint Lowell	11/22/00	12/4/00	2/22/01	operation 05/29/01	WAT-00A-001	\$486,000	\$486,000	2,513	\$193
City of San Diego	Install Water Turbine Generator	Clint Lowell	11/20/00	1/2/01	2/22/01	operation 05/30/01	WAT-00A-002	\$360,000	\$1,014,000	1,200	\$300
City of Gilroy	Increase Reservoir Capacity	Shahid Chaudhry	12/14/00	1/23/01	3/5/01	extended 10/15/01	WAT-00A-003	\$236,310	\$3,639,865	788	\$300
City of Fillmore	Retrofit three wells	Shahid Chaudhry	12/27/00	1/23/01	2/26	operational	WAT-00A-004	\$175,500	\$493,200	585	\$300
Hetch Hetchy Water and Power	Lighting retrofit, modification of ozone air compressor with VFD, and impeller trim of one 46 MGD pump	Mike Hartley	12/28/00	1/23/01	5/10/01	operational	WAT-00A-011	\$75,840	\$108,451	253	\$300
Santiago County Water District	Installation of new SCADA system	Wendell Bakken	1/18/01	1/31/01	4/27/01	operational	WAT-00A-034	\$38,100	\$198,400	127	\$300
Moulton Niguel Water District	Convert two pump stations to flow control facilities and remove two pumps from service at each station	Wendell Bakken	1/19/01	2/9/01	3/30	operational	WAT-00A-025	\$100,500	\$447,500	335	\$300
Moulton Niguel Water District	Increase pump station capacity and install check valves	Wendell Bakken	1/19/01	2/9/01	3/30	operational	WAT-00A-025	\$84,000	\$261,200	280	\$300
Moulton Niguel Water District	Addition of fifth 2,800 gpm pump to increase amount of water in storage	Wendell Bakken	1/19/01	2/9/01	3/30	operational	WAT-00A-025	\$111,900	\$127,737	373	\$300
Moulton Niguel Water District	Replace 500 gpm booster pump by 1750 gpm pump	Wendell Bakken	1/19/01	2/9/01	3/30	operational	WAT-00A-025	\$51,000	\$69,800	170	\$300

Moulton Niguel Water District	Complete 1.4 million gallon storage reservoir and new pump controls	Wendell Bakken	1/19/01	2/9/01	3/30	operational	WAT-00A-025	\$120,300	\$1,340,271	401	\$300
Moulton Niguel Water District	Complete pipeline and convert reservoir to recycled waster storage	Wendell Bakken	1/19/01	2/9/01	3/30	operational	WAT-00A-025	\$50,400	\$3,618,000	168	\$300
Centerville Community Services District	radio telemetry control system and relay logic control system	Shahid Chaudhry	1/19/01	1/31/01	2/26	operational	WAT-00A-005	\$23,200	\$33,950	116	\$200
Eastern Municipal Water District	Install Symbio Sensor Monitoring System	Shahid Chaudhry	1/19/01	13101	3/16	extended 07/15/01	WAT-00A-006	\$39,000	\$110,810	130	\$300
City of Escondido	Procure and install 12 microturbines to generate electricity using digester (waste) gas.	Clint Lowell	1/25/01	2/16/01	3/26	operation by 07/15/01	WAT-00A-009	\$90,000	\$1,207,723	300	\$300
Metropolitan Water District of Southern California	Engineering and installation of telemetry, metering and related equipment to enable participation in the ISO's Summer 2001 Demand Relief Program.	Wendell Bakken	1/29/01	1/31/01		extended 08/01/01	WAT-00A-019	\$247,770	\$247,770	35,000	\$7
Town of Apply Valley	Remove and replace two existing fifty horsepower pumps and motors with two new twenty horsepower pumps and motors	Shahid Chaudhry	2/6/01	3/5/01	3/19/01	operational	WAT-00A-007	\$13,428	\$66,297	45	\$298
Idyllwild Water District	Upgrade aeration system to reduce load by eliminating operation of second blower during summer period	Clint Lowell	1/30/01	2/1/01		operational	WAT-00A-010	\$9,000	\$11,237	30	\$300

Yuba City	Install premium efficiency motors, sluice gates at oxygen reactors, air evaporators, VFDs, use and store LOX, and install energy management systems	Shahid Chaudhry	2/13/01	2/14/01	4/2/01	operational	WAT-00A-00-8	\$166,000	\$375,500	554	\$300
Padre Dam Municipal Water District	Water Pump Station No. 2: Install an additional 150 hp pump, and ancillary facilities	Mike Hartley	3/1/01	4/19/01	4/23/01	operational	WAT-00A-018	\$12,660	\$13,653	42	\$301
Union Sanitation District	Redesign and refurbish 750 kW engine generator and add 550 kW engine generator	Shahid Chaudhry	2/20/01	2/27/01	3/30	operational	WAT-00A-013	\$357,000	\$1,756,359	1,190	\$300
City of San Diego Water District	Direct control 5 of BUG's ISO	Clint Lowell				extended 06/21/01	WAT-00A-021	\$163,000	\$163,000	1,780	\$92
City of San Diego Water District	Retrofit 16 BUG's with emission controls	Clint Lowell				extended 08/15/01	WAT-00A-022	\$480,000	\$480,000	8,500	\$56
El Dorado Irrigation District	Replace one 200 hp blower with a 100 hp and automate blower controls	Shahid Chaudhry	2/22/01	2/1/01	4/3/01	operational	WAT-00A-014	\$49,500	\$273,000	165	\$300
Groveland Community Services District	Upgrade water treatment plant control system	Shahid Chaudhry	2/15/01	4/10/01	6/6/01	operational	VAT-00A-053	\$36,828	\$40,513	230	\$160
City of Kerman	Replace aerators, pumps, install VFDs	Shahid Chaudhry	3/15/01	4/1/01	3/30/01	operational	VAT-00A-033	\$26,000	\$157,300	87	\$299
San Elijo Joint Powers Authority	Install three microburbins for digester gas	Clint Lowell				operation 05/31/01	VAT-00A-023	\$25,200	\$240,000	84	\$300
Westwood Community Services District	Install pump(s)/SCADA system, and related appurtenances	Wendell Bakken			4/25/01	operational	VAT-00A-033	\$58,340	\$58,340	200	\$292

City of San Bruno	motor controls, add programmable logic controllers at each booster station, communications infrastructure, and human machine interface and data logger and write custom control program	Shahid Chaudhry	2/23/01	4/4/01		operational	VAT-00A-04	\$237,300	\$258,105	791	\$300
United Water Conservation District	Replace two pump and motor assemblies at drinking water wells	Shahid Chaudhry	3/9/01	3/12/01		operation 06/15/01	VAT-00A-01	\$25,020	\$82,500	83	\$301
Tahoe-Truckee Sanitation Agency	Install premium efficiency motors, lighting upgrades, controls and HVAC	Maxine Botti	2/23/01	3/22/01	5/1/01	operational	VAT-00A-04	\$48,715	\$272,456	180	\$271
City of Pinole	Replace non-operational cogeneration system	Clint Lowell			4/27/01	6/30/01	VAT-00A-02	\$22,500	\$78,120	214	\$105
City of Los Angeles-Bureau of Sanitation	adding electrical devices	Shahid Chaudhry	2/26/01	5/3/01	4/23/01	extended 07/31/01	VAT-00A-01	\$11,000	\$11,000	60	\$183
City of Los Angeles-Bureau of Sanitation	modification of a blower blade	Shahid Chaudhry	2/26/01	5/3/01	4/20/01	extended 07/31/01	VAT-00A-01	\$24,000	\$162,250	80	\$300
City of Los Angeles-Bureau of Sanitation	installation of 18 power planner III series voltage reducing motor conditioners	Shahid Chaudhry	2/26/01	5/3/01		extended 07/31/01	VAT-00A-01	\$43,500	\$53,000	146	\$298
City of Los Angeles-Bureau of Sanitation	Retrofitting of lighting system	Shahid Chaudhry	2/26/01	5/3/01		extended 07/31/01	VAT-00A-01	\$6,570	\$23,000	40	\$164

Lompico County Water District	Construct Well No. 7 To provide additional supply, enabling off-peak production and eliminating peak period electricity load	Shahid Chaudhry	2/21/01	3/22/01	5/8/01	extended 08/01/01	VAT-00A-03	\$24,600	\$81,593	82	\$300
Trabuco Canyon Water District	Upgrade facilities to allow off-peak pumping operation	Clint Lowell	2/13/01	3/27/01	5/24/01	7/15/01	VAT-00A-03	\$28,200	\$35,261	94	\$300
Montalvo Municipal Improvement District	Replace coarse bubble diffusers with fine bubble diffusers	Mike Hartley			6/5/01	extended 07/13/01	VAT-00A-03	\$7,110	\$239,000	24	\$296
Riverside Highland Water Company	Shut down two booster pumps during peak by balancing pressure between two reservoirs, and make pipeline improvements	Shahid Chaudhry	4/15/01	5/24/01	6/4/01	operational	VAT-00A-03	\$34,702	\$146,579	334	\$104
Inland Empire Utilities Agency	High Efficiency Motor installation, microturbine installation, and energy recover generator rebuild	Shahid Chaudhry	3/12/01	3/29/01	4/30/01	extended 07/15/01	VAT-00A-02	\$115,200	\$1,096,300	384	\$300
San Simeon Community Services District	Replace plant's compressed air system and install an EMS	Mike Hartley	1-Apr	1-Apr		extended until 12/1/01	VAT-00A-02	\$11,850	\$90,000	40	\$296
Atwater Wastewater Treatment Plant	Modify on-site power distribution and power quality improvements, add VFDs and controls for pumping optimization	Mike Hartley	1-Apr	4-Jun		extended 10/15/01	VAT-00A-03	\$20,790	\$114,566	69	\$301
Novato Sanitary District	Replace existing jet aeration mixing system	Maxine Botti	2/27/01	3/20/01	5/11/01	extended 07/31/01	VAT-00A-04	\$59,805	\$213,359	199	\$301

Eastern Municipal Water District	Replace existing method of measuring dissolved oxygen in the activated sludge process	Shahid Chaudhry	1/5/01	3/9/01	4/3/01	operational	VAT-00A-02	\$172,200	\$590,000	574	\$300
City of Corona	Replace pumps and motors with high efficiency units	Mike Hartley				extended 07/20/01	VAT-00A-03	\$35,400	\$111,300	124	\$285
Palmdale Valley District	Replace motors, bowls, and impellers on well sites, replace existing A/C carrier unit, install motor monitoring system and two booster stations	Mike Hartley	1-Mar	1-Apr		operational	VAT-00A-03	\$135,140	\$341,700	455	\$297
City of Visalia	Conversion of existing digester gas fired cogeneration engine blower to electric generator	Not assigned yet			No contract in place			\$90,000		300	\$300
Bear Valley Community Services District	Replace pumps with high efficiency pumps and motors and SCADA or time clocks	Mike Hartley		4/26/01	on track	operational	VAT-00A-04	\$13,080	\$17,250	46	\$284
Central Contra Costa Sanitary District	Increase output of cogeneration system	Mike Hartley			5/8/01	operational	VAT-00A-04	\$60,000	\$100,000	200	\$300
City of Oceanside	EMS at two wastewater plants	Mike Hartley				deadline is 8/01/01	VAT-00A-04	\$97,200	\$146,060	324	\$300
East Bay Municipal Utility District	EMS, oxygen controls and primary treatment modifications	Mike Hartley	4/26/01	5/18/01	5/21/01	extended 10/20/01	VAT-00A-02	\$628,000	\$955,000	790	\$795
Nacimiento Water Company	Improve controls to allow auto off peak operation	Mike Hartley	1-Apr			deadline is 8/01/01	VAT-00A-04	\$10,540	\$24,681	53	\$199



Hopland Public Utilities district	Replace motors with energy efficient models and install controls to reduce peak period operations	Shahid Chaudhry	4/26/01	5/3/01	6/1/01	operational	VAT-00A-04	\$40,530	\$99,150	213	\$190
Northridge Water District	Construct pipeline hydrogeneration facility to replace electric utility power	Shahid Chaudhry	4/26/01	5/29/01	6/18/01	deadline is 11/30/01	VAT-00A-05	\$102,600	\$782,350	342	\$300
City of Lompoc	install EMS , retrofit lighting with efficient lamps, ballasts, and controls	Shahid Chaudhry	4/26/01	5/3/01	6/19/01	deadline is 7/31/01	VAT-00A-05	\$44,197	\$73,751	147	\$301
Chino Basin Watermaster	Groundwater storage proposals to provide ability to load shed when energy is limited	Clint Lowell		7/7/01				\$606,483		18,290	\$33
TOTALS:								\$6,443,008	\$23,238,207	80,324	\$80